

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
RPS920030129US1 (IRA-10-5790)

TOTAL PAGES IN THIS SUBMISSION  
3

17497 U.S. PTO  
10/706228



4. ☒ Oath or Declaration  
a. ☒ Newly executed (*original or copy*) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney  
Application Elements (Continued)
5. ☐ Incorporation by Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)  
a. ☐ Paper Copy  
b. ☐ Computer Readable Copy (*identical to computer copy*)  
c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (*cover sheet & document(s)*)  
**International Business Machines Corporation**
9. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. ☐ English Translation Document (*if applicable*)
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations (non-US only)
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcards (2)
14. ☒ Certificate of Mailing  
☐ First Class ☒ Express Mail (*Specify Label No.*): EV331727352US
15. ☒ Application Data Sheet
16. ☐ Additional Enclosures (*please identify below*):

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
RPS920030129US1 (IRA-10-5790)

TOTAL PAGES IN THIS SUBMISSION  
3

**TO MAIL STOP PATENT APPLICATION**  
**COMMISSIONER FOR PATENTS**

P.O. Box 1450

Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled:

**A DATABASE MINING SYSTEM AND METHOD FOR COVERAGE ANALYSIS  
OF FUNCTIONAL VERIFICATION OF INTEGRATED CIRCUIT DESIGNS**

invented by

AMIR HEKMATPOUR

assigned to

INTERNATIONAL BUSINESS MACHINES CORPORATION  
Armonk, New York

**If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:**

☐ Continuation

☐ Divisional

☐ Continuation -in -part (CIP)

in prior application No.: \_\_\_\_\_

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 32 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (*if applicable*)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d. ☐ Reference to Microfiche Appendix (*if applicable*)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (*if drawings filed*)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)
  - a. ☒ Formal
  - b. ☐ InformalNumber of Sheets 2

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
RPS920030129US1 (IRA-10-5790)

TOTAL PAGES IN THIS SUBMISSION  
3

**FEE CALCULATION AND TRANSMITTAL**

**CLAIMS AS FILED**

1) For	2) Number Filed	3) Number Extra	Rate	Additional Fee
TOTAL CLAIMS (37 CFR 1.16(c))	20 - 20 =	- 0 -	x\$18.00	\$ - 0 -
INDEPENDENT CLAIMS (37 CFR 1.16(c))	3 - 3 =	- 0 -	x \$86.00	\$ - 0 -
First Pres. Of Multiple Dep. Claims	= 0			\$ 0.00
Basic Fee	= 0			\$ 770.00
			<b>TOTAL</b>	<b>\$ 770.00</b>

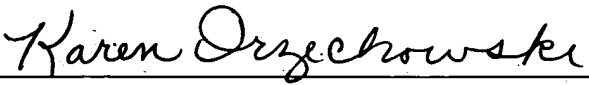
- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 09-1990  
as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$770.00 as filing fee.
- ☒ Credit any overpayment or any deficiency.
- ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,

Date: NOVEMBER 12, 2003

By: Jocelyn G. Cockburn  
Jocelyn G. Cockburn, Reg. No. 27,069  
IBM Corporation.  
Dept. 9CCA/B002  
3039 Cornwallis Road  
Research Triangle Park, NC 27709  
Phone: (919) 543-9036  
Fax: (919) 254-2649  
CUSTOMER NUMBER 25299  
e-mail: [cockburn@us.ibm.com](mailto:cockburn@us.ibm.com)

Enclosures

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): Amir Hekmatpour			<b>DOCKET NO.</b> RPS920030129US1 (IRA-10-5790)
<b>Serial No.</b> To be Assigned	<b>Filing Date</b> Filed Herewith	<b>Examiner</b>	<b>Group Art Unit</b>
<b>Invention:      A DATABASE MINING SYSTEM AND METHOD FOR          COVERAGE ANALYSIS OF FUNCTIONAL VERIFICATION          OF INTEGRATED CIRCUIT DESIGNS</b>			
<p>I hereby certify that the following documents</p> <p style="margin-left: 40px;">New Utility Patent Application Transmittal</p> <p style="margin-left: 40px;">Application Data Sheet</p> <p style="margin-left: 40px;">Patent Application comprising <b>25</b> pages of specification, <b>6</b> pages of claims,                                            <b>1</b> page of Abstract and <b>2</b> sheets of drawings</p> <p style="margin-left: 40px;">Declaration and Power of Attorney for Patent Application</p> <p style="margin-left: 40px;">Assignment and Recordation Cover Sheet</p> <p style="margin-left: 40px;">IDS Submission Statement with 1449 Form and copies of non-US citations</p> <p style="margin-left: 40px;">Two (2) Acknowledgement post cards</p> <p style="margin-top: 20px;">are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <b>NOVEMBER 12, 2003.</b></p> <div style="text-align: center; margin-top: 40px;"> <u>Karen Orzechowski</u>            (Typed or Printed Name of Person Mailing Correspondence)           <div style="margin-top: 10px;">               (Signature of Person Mailing Correspondence)           </div> <div style="margin-top: 20px;"> <u>EV331727352US</u>              ("Express Mail" Mailing Label Number)           </div> </div>			